

Zeng Liu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

250
citations

1040056

9
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	Steady-state resonance of multiple wave interactions in deep water. <i>Journal of Fluid Mechanics</i> , 2014, 742, 664-700.	3.4	48
2	On the existence of steady-state resonant waves in experiments. <i>Journal of Fluid Mechanics</i> , 2015, 763, 1-23.	3.4	34
3	The improved homotopy analysis method for the Thomas-Fermi equation. <i>Applied Mathematics and Computation</i> , 2012, 218, 8363-8369.	2.2	32
4	Finite amplitude steady-state wave groups with multiple near resonances in deep water. <i>Journal of Fluid Mechanics</i> , 2018, 835, 624-653.	3.4	23
5	Finite-amplitude steady-state wave groups with multiple near-resonances in finite water depth. <i>Journal of Fluid Mechanics</i> , 2019, 867, 348-373.	3.4	12
6	Steady-state multiple near resonances of periodic interfacial waves with rigid boundary. <i>Physics of Fluids</i> , 2020, 32, .	4.0	12
7	Mass, momentum, and energy flux conservation between linear and nonlinear steady-state wave groups. <i>Physics of Fluids</i> , 2017, 29, 127104.	4.0	10
8	Steady-state harmonic resonance of periodic interfacial waves with free-surface boundary conditions based on the homotopy analysis method. <i>Journal of Fluid Mechanics</i> , 2021, 916, .	3.4	10
9	On the limit cycles, period-doubling, and quasi-periodic solutions of the forced Van der Pol-Duffing oscillator. <i>Numerical Algorithms</i> , 2018, 78, 1217-1231.	1.9	9
10	Effects of surface vortex on the drawdown and dispersion of floating particles in stirred tanks. <i>Particuology</i> , 2020, 49, 159-168.	3.6	9
11	Drawdown mechanism of light particles in baffled stirred tank for the KR desulphurization process. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 247-256.	3.5	7
12	Phase velocity effects of the wave interaction with exponentially sheared current. <i>Wave Motion</i> , 2014, 51, 967-985.	2.0	6
13	Effects of geometrical and physical factors on light particles dispersion by agitation characteristic curve. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 2313-2324.	3.5	6
14	On the near resonances of collinear steady-state wave groups in finite water depth. <i>Ocean Engineering</i> , 2019, 182, 584-593.	4.3	6
15	On the Agitation Characteristic Curve of Medium Light Particles in a Stirred Tank Based on CFD Simulation. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 556-565.	0.6	5
16	Finite-amplitude steady-state resonant waves in a circular basin. <i>Journal of Fluid Mechanics</i> , 2021, 915, .	3.4	5
17	A study on nonlinear steady-state waves at resonance in water of finite depth by the amplitude-based homotopy analysis method. <i>Journal of Hydrodynamics</i> , 2020, 32, 888-900.	3.2	4
18	A Steady-state Trio for Bretherton Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2016, 71, 1099-1104.	1.5	3

#	ARTICLE	IF	CITATIONS
19	EXPLICIT SERIES SOLUTION OF A CLOSURE MODEL FOR THE VON KÄRMÁNâ€™HOWARTH EQUATION. ANZIAM Journal, 2010, 52, 179-202.	0.2	2
20	On Steady-State Multiple Resonances for a Modified Bretherton Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 487-491.	1.5	2
21	Performing captive model tests with a hexapod. Ocean Engineering, 2019, 171, 49-58.	4.3	2
22	Numerical simulations of collinear finite amplitude steady-state resonant waves in deep water. Ocean Engineering, 2020, 212, 107703.	4.3	2
23	On the dispersion relation of nonlinear wave current interaction by means of the HAM. , 2012, , .		0